PORT INDEPENDENT DATA TRANSACTION INTERFACE FOR MULTI-PORT DEVICES

5   **ABSTRACT OF THE DISCLOSURE**

A port independent data transaction interface for multi-port devices is provided. The port independent data transaction interface includes a command channel that receives command data and a source id. The source id indicates a source device that transmitted the command data. In addition, a data-in channel is included that receives write data and

10   a write source id. Similar to the source id, the write source id indicates a source device that transmitted the write data. The port independent data transaction interface further includes a data-out channel that provides read data and a read id. The read id indicates a source device that transmitted a read command corresponding to the read data. The port independent data transaction interface utilizes the source id to associate command data

15   with corresponding write data and read data.